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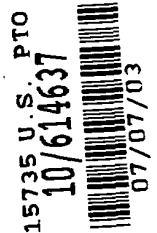
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



TRANSMITTAL FOR PATENT APPLICATION

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a United States patent application entitled CHARACTERISTIC ADJUSTMENT METHOD OF MULTISTAGE MACH-ZEHNDER INTERFEROMETER TYPE OPTICAL CIRCUIT AND MULTISTAGE MACH-ZEHNDER INTERFEROMETER TYPE OPTICAL CIRCUIT in the name of the following inventor(s): Koichi Takiguchi and Senichi Suzuki.

Enclosed are the following:

- X A specification, claims, abstract, and cover page in total comprising sixty-three (63) pages.
- X Eight (8) sheets of drawings.
- X A joint signature Combined Declaration and Power of Attorney.
- X An Assignment conveying the invention to Nippon Telegraph and Telephone Corporation, including a Form PTO 1595 recordation cover sheet.
- A Declaration Claiming Small Entity Status pursuant to 37 C.F.R. § 1.9 and § 1.27.

_____ The present application claims entitlement to Small Entity Status under 37 CFR §§ 1.9 and 1.27

_____ Enclosed is a non-publication request requesting that the present application not be published.

X A Certificate of Mailing by "Express Mail" certifying a filing date by use of Express Mail Label No. EV 319 223 630 US.

X Priority to Japanese Application Serial No. 2002-201059 filed on July 10, 2002 is claimed under 35 U.S.C. § 119.

X A certified copy of Japanese Application Serial No. 2002-201059.

_____ An Associate Power of Attorney.

The filing fee has been calculated as shown below.

			SMALL ENTITY		LARGE ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$375		\$750
TOT. CLAIMS	18 - 20=	0	X 9=		X 18=	
IND. CLAIMS	2 - 3=	0	X 42		X 84=	
MULTIPLE DEPENDENT CLAIM			+140=		+280=	
			TOTAL		TOTAL	750

X Form PTO-2038 submitting Credit Card Payment in the amount of \$790.00 is enclosed to cover:

X The \$750.00 government filing fee.

X The \$40.00 recordation fee of the enclosed assignment.

_____ Please debit Deposit Account No. 23-3178 in the amount of \$_____ for the government filing fee.

_____ Please debit Deposit Account No. 23-3178 in the amount of \$40.00 for recordation of the enclosed Assignment.

X The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-3178.

X Any additional filing fees required under 37 C.F.R. § 1.16.

X Any patent application processing fees under 37 C.F.R. § 1.17.

X The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 23-3178.

X Any filing fees under 37 C.F.R. § 1.16 for presentation of extra claims.

X Any patent application processing fees under 37 C.F.R. § 1.17.

— The issue fee set forth in 37 C.F.R. § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b).

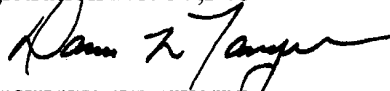
X A duplicate copy of this letter is enclosed.

Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned.

Dated this 7th day of July 2003.

Respectfully submitted,

DANA L. TANGREN
Attorney for Applicant
Registration No. 37,246



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Date of Deposit: July 7, 2003

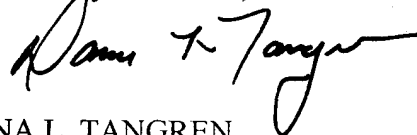
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

I hereby certify that the following documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated below in an envelope addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450:

- Patent Application in the names of Koichi Takiguchi and Senichi Suzuki for CHARACTERISTIC ADJUSTMENT METHOD OF MULTISTAGE MACH-ZEHNDER INTERFEROMETER TYPE OPTICAL CIRCUIT AND MULTISTAGE MACH-ZEHNDER INTERFEROMETER TYPE OPTICAL CIRCUIT (63 pages)
- Drawings (8 sheets)
- Assignment with Form PTO-1595 cover sheet (4 pages)
- Combined Declaration and Power of Attorney (4 pages)
- Transmittal Letter (3 pages) (in duplicate)
- Certified copy of Japanese application no. 2002-201059
- Form PTO-2038 submitting Credit Card Payment in the amount of \$790.00
- Postcard

Dated this 7th day of July 2003.

Respectfully submitted,



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